

SECTION B. General Title V Requirements

#001 [25 Pa. Code § 121.1]

Definitions

Words and terms that are not otherwise defined in this permit shall have the meanings set forth in Section 3 of the Air Pollution Control Act (35 P.S. § 4003) and 25 Pa. Code § 121.1.

#002 [25 Pa. Code § 127.512(c)(4)]

Property Rights

This permit does not convey property rights of any sort, or any exclusive privileges.

#003 [25 Pa. Code § 127.446(a) and (c)]

Permit Expiration

This operating permit is issued for a fixed term of five (5) years and shall expire on the date specified on Page 1 of this permit. The terms and conditions of the expired permit shall automatically continue pending issuance of a new Title V permit, provided the permittee has submitted a timely and complete application and paid applicable fees required under 25 Pa. Code Chapter 127, Subchapter I and the Department is unable, through no fault of the permittee, to issue or deny a new permit before the expiration of the previous permit. An application is complete if it contains sufficient information to begin processing the application, has the applicable sections completed and has been signed by a responsible official.

#004 [25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446(e) & 127.503]

Permit Renewal

(a) An application for the renewal of the Title V permit shall be submitted to the Department at least six (6) months, and not more than 18 months, before the expiration date of this permit. The renewal application is timely if a complete application is submitted to the Department's Regional Air Manager within the timeframe specified in this permit condition.

(b) The application for permit renewal shall include the current permit number, the appropriate permit renewal fee, a description of any permit revisions and off-permit changes that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term.

(c) The renewal application shall also include submission of proof that the local municipality and county, in which the facility is located, have been notified in accordance with 25 Pa. Code § 127.413. The application for renewal of the Title V permit shall also include submission of compliance review forms which have been used by the permittee to update information submitted in accordance with either 25 Pa. Code § 127.412(b) or § 127.412(j).

(d) The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall submit such supplementary facts or corrected information during the permit renewal process. The permittee shall also provide additional information as necessary to address any requirements that become applicable to the source after the date a complete renewal application was submitted but prior to release of a draft permit.

#005 [25 Pa. Code §§ 127.450(a)(4) & 127.464(a)]

Transfer of Ownership or Operational Control

(a) In accordance with 25 Pa. Code § 127.450(a)(4), a change in ownership or operational control of the source shall be treated as an administrative amendment if:

(1) The Department determines that no other change in the permit is necessary;

(2) A written agreement has been submitted to the Department identifying the specific date of the transfer of permit responsibility, coverage and liability between the current and the new permittee; and,

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(3) A compliance review form has been submitted to the Department and the permit transfer has been approved by the Department.

(b) In accordance with 25 Pa. Code § 127.464(a), this permit may not be transferred to another person except in cases of transfer-of-ownership which are documented and approved to the satisfaction of the Department.

#006 [25 Pa. Code § 127.513, 35 P.S. § 4008 and § 114 of the CAA]**Inspection and Entry**

(a) Upon presentation of credentials and other documents as may be required by law for inspection and entry purposes, the permittee shall allow the Department of Environmental Protection or authorized representatives of the Department to perform the following:

(1) Enter at reasonable times upon the permittee's premises where a Title V source is located or emissions related activity is conducted, or where records are kept under the conditions of this permit;

(2) Have access to and copy or remove, at reasonable times, records that are kept under the conditions of this permit;

(3) Inspect at reasonable times, facilities, equipment including monitoring and air pollution control equipment, practices, or operations regulated or required under this permit;

(4) Sample or monitor, at reasonable times, substances or parameters, for the purpose of assuring compliance with the permit or applicable requirements as authorized by the Clean Air Act, the Air Pollution Control Act, or the regulations promulgated under the Acts.

(b) Pursuant to 35 P.S. § 4008, no person shall hinder, obstruct, prevent or interfere with the Department or its personnel in the performance of any duty authorized under the Air Pollution Control Act.

(c) Nothing in this permit condition shall limit the ability of the EPA to inspect or enter the premises of the permittee in accordance with Section 114 or other applicable provisions of the Clean Air Act.

#007 [25 Pa. Code §§ 127.25, 127.444, & 127.512(c)(1)]**Compliance Requirements**

(a) The permittee shall comply with the conditions of this permit. Noncompliance with this permit constitutes a violation of the Clean Air Act and the Air Pollution Control Act and is grounds for one (1) or more of the following:

(1) Enforcement action

(2) Permit termination, revocation and reissuance or modification

(3) Denial of a permit renewal application

(b) A person may not cause or permit the operation of a source, which is subject to 25 Pa. Code Article III, unless the source(s) and air cleaning devices identified in the application for the plan approval and operating permit and the plan approval issued to the source are operated and maintained in accordance with specifications in the applications and the conditions in the plan approval and operating permit issued by the Department. A person may not cause or permit the operation of an air contamination source subject to 25 Pa. Code Chapter 127 in a manner inconsistent with good operating practices.

(c) For purposes of Sub-condition (b) of this permit condition, the specifications in applications for plan approvals and operating permits are the physical configurations and engineering design details which the Department determines are essential for the permittee's compliance with the applicable requirements in this Title V permit. Nothing in this sub-condition shall be construed to create an independent affirmative duty upon the permittee to obtain a predetermination from the Department for physical configuration or engineering design detail changes made by the permittee.

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#008 [25 Pa. Code § 127.512(c)(2)]

Need to Halt or Reduce Activity Not a Defense

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

#009 [25 Pa. Code §§ 127.411(d) & 127.512(c)(5)]

Duty to Provide Information

(a) The permittee shall furnish to the Department, within a reasonable time, information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit, or to determine compliance with the permit.

(b) Upon request, the permittee shall also furnish to the Department copies of records that the permittee is required to keep by this permit, or for information claimed to be confidential, the permittee may furnish such records directly to the Administrator of EPA along with a claim of confidentiality.

#010 [25 Pa. Code §§ 127.463, 127.512(c)(3) & 127.542]

Reopening and Revising the Title V Permit for Cause

(a) This Title V permit may be modified, revoked, reopened and reissued or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay a permit condition.

(b) This permit may be reopened, revised and reissued prior to expiration of the permit under one or more of the following circumstances:

(1) Additional applicable requirements under the Clean Air Act or the Air Pollution Control Act become applicable to a Title V facility with a remaining permit term of three (3) or more years prior to the expiration date of this permit. The Department will revise the permit as expeditiously as practicable but not later than 18 months after promulgation of the applicable standards or regulations. No such revision is required if the effective date of the requirement is later than the expiration date of this permit, unless the original permit or its terms and conditions has been extended.

(2) Additional requirements, including excess emissions requirements, become applicable to an affected source under the acid rain program. Upon approval by the Administrator of EPA, excess emissions offset plans for an affected source shall be incorporated into the permit.

(3) The Department or the EPA determines that this permit contains a material mistake or inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.

(4) The Department or the Administrator of EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

(c) Proceedings to revise this permit shall follow the same procedures which apply to initial permit issuance and shall affect only those parts of this permit for which cause to revise exists. The revision shall be made as expeditiously as practicable.

(d) Regardless of whether a revision is made in accordance with (b)(1) above, the permittee shall meet the applicable standards or regulations promulgated under the Clean Air Act within the time frame required by standards or regulations.

#011 [25 Pa. Code § 127.543]

Reopening a Title V Permit for Cause by EPA

As required by the Clean Air Act and regulations adopted thereunder, this permit may be modified, reopened and reissued, revoked or terminated for cause by EPA in accordance with procedures specified in 25 Pa. Code § 127.543.

SECTION B. General Title V Requirements**#012 [25 Pa. Code § 127.541]****Significant Operating Permit Modifications**

When permit modifications during the term of this permit do not qualify as minor permit modifications or administrative amendments, the permittee shall submit an application for significant Title V permit modifications in accordance with 25 Pa. Code § 127.541.

#013 [25 Pa. Code §§ 121.1 & 127.462]**Minor Operating Permit Modifications**

(a) The permittee may make minor operating permit modifications (as defined in 25 Pa. Code § 121.1) in accordance with 25 Pa. Code § 127.462.

(b) Unless precluded by the Clean Air Act or the regulations thereunder, the permit shield described in 25 Pa. Code § 127.516 (relating to permit shield) shall extend to an operational flexibility change authorized by 25 Pa. Code § 127.462.

#014 [25 Pa. Code § 127.450]**Administrative Operating Permit Amendments**

(a) The permittee may request administrative operating permit amendments, as defined in 25 Pa. Code § 127.450(a), according to procedures specified in § 127.450. Administrative amendments are not authorized for any amendment precluded by the Clean Air Act or the regulations thereunder from being processed as an administrative amendment.

(b) Upon taking final action granting a request for an administrative permit amendment in accordance with § 127.450(c), the Department will allow coverage under 25 Pa. Code § 127.516 (relating to permit shield) for administrative permit amendments which meet the relevant requirements of 25 Pa. Code Article III, unless precluded by the Clean Air Act or the regulations thereunder.

#015 [25 Pa. Code § 127.512(b)]**Severability Clause**

The provisions of this permit are severable, and if any provision of this permit is determined by the Environmental Hearing Board or a court of competent jurisdiction to be invalid or unenforceable, such a determination will not affect the remaining provisions of this permit.

#016 [25 Pa. Code §§ 127.704, 127.705 & 127.707]**Fee Payment**

(a) The permittee shall pay fees to the Department in accordance with the applicable fee schedules in 25 Pa. Code Chapter 127, Subchapter I (relating to plan approval and operating permit fees).

(b) Emission Fees. The permittee shall, on or before September 1st of each year, pay applicable annual Title V emission fees for emissions occurring in the previous calendar year as specified in 25 Pa. Code § 127.705. The permittee is not required to pay an emission fee for emissions of more than 4,000 tons of each regulated pollutant emitted from the facility.

(c) As used in this permit condition, the term "regulated pollutant" is defined as a VOC, each pollutant regulated under Sections 111 and 112 of the Clean Air Act and each pollutant for which a National Ambient Air Quality Standard has been promulgated, except that carbon monoxide is excluded.

(d) Late Payment. Late payment of emission fees will subject the permittee to the penalties prescribed in 25 Pa. Code § 127.707 and may result in the suspension or termination of the Title V permit. The permittee shall pay a penalty of fifty percent (50%) of the fee amount, plus interest on the fee amount computed in accordance with 26 U.S.C.A. § 6621(a)(2) from the date the emission fee should have been paid in accordance with the time frame specified in 25 Pa. Code § 127.705(c).

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(e) The permittee shall pay an annual operating permit administration fee according to the fee schedule established in 25 Pa. Code § 127.704(c) if the facility, identified in Subparagraph (iv) of the definition of the term "Title V facility" in 25 Pa. Code § 121.1, is subject to Title V after the EPA Administrator completes a rulemaking requiring regulation of those sources under Title V of the Clean Air Act.

(f) This permit condition does not apply to a Title V facility which qualifies for exemption from emission fees under 35 P.S. § 4006.3(f).

#017 [25 Pa. Code §§ 127.14(b) & 127.449]

Authorization for De Minimis Emission Increases

(a) This permit authorizes de minimis emission increases from a new or existing source in accordance with 25 Pa. Code §§ 127.14 and 127.449 without the need for a plan approval or prior issuance of a permit modification. The permittee shall provide the Department with seven (7) days prior written notice before commencing any de minimis emissions increase that would result from either: (1) a physical change of minor significance under § 127.14(c)(1); or (2) the construction, installation, modification or reactivation of an air contamination source. The written notice shall:

(1) Identify and describe the pollutants that will be emitted as a result of the de minimis emissions increase.

(2) Provide emission rates expressed in tons per year and in terms necessary to establish compliance consistent with any applicable requirement.

The Department may disapprove or condition de minimis emission increases at any time.

(b) Except as provided below in (c) and (d) of this permit condition, the permittee is authorized during the term of this permit to make de minimis emission increases (expressed in tons per year) up to the following amounts without the need for a plan approval or prior issuance of a permit modification:

(1) Four tons of carbon monoxide from a single source during the term of the permit and 20 tons of carbon monoxide at the facility during the term of the permit.

(2) One ton of NO_x from a single source during the term of the permit and 5 tons of NO_x at the facility during the term of the permit.

(3) One and six-tenths tons of the oxides of sulfur from a single source during the term of the permit and 8.0 tons of oxides of sulfur at the facility during the term of the permit.

(4) Six-tenths of a ton of PM₁₀ from a single source during the term of the permit and 3.0 tons of PM₁₀ at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act or 25 Pa. Code Article III.

(5) One ton of VOCs from a single source during the term of the permit and 5.0 tons of VOCs at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act or 25 Pa. Code Article III.

(c) In accordance with § 127.14, the permittee may install the following minor sources without the need for a plan approval:

(1) Air conditioning or ventilation systems not designed to remove pollutants generated or released from other sources.

(2) Combustion units rated at 2,500,000 or less Btu per hour of heat input.

(3) Combustion units with a rated capacity of less than 10,000,000 Btu per hour heat input fueled by natural gas supplied by a public utility, liquefied petroleum gas or by commercial fuel oils which are No. 2 or lighter, viscosity less

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than or equal to 5.82 c St, and which meet the sulfur content requirements of 25 Pa. Code § 123.22 (relating to combustion units). For purposes of this permit, commercial fuel oil shall be virgin oil which has no reprocessed, recycled or waste material added.

(4) Space heaters which heat by direct heat transfer.

(5) Laboratory equipment used exclusively for chemical or physical analysis.

(6) Other sources and classes of sources determined to be of minor significance by the Department.

(d) This permit does not authorize de minimis emission increases if the emissions increase would cause one or more of the following:

(1) Increase the emissions of a pollutant regulated under Section 112 of the Clean Air Act except as authorized in Subparagraphs (b)(4) and (5) of this permit condition.

(2) Subject the facility to the prevention of significant deterioration requirements in 25 Pa. Code Chapter 127, Subchapter D and/or the new source review requirements in Subchapter E.

(3) Violate any applicable requirement of the Air Pollution Control Act, the Clean Air Act, or the regulations promulgated under either of the acts.

(4) Changes which are modifications under any provision of Title I of the Clean Air Act and emission increases which would exceed the allowable emissions level (expressed as a rate of emissions or in terms of total emissions) under the Title V permit.

(e) Unless precluded by the Clean Air Act or the regulations thereunder, the permit shield described in 25 Pa. Code § 127.516 (relating to permit shield) applies to de minimis emission increases and the installation of minor sources made pursuant to this permit condition.

(f) Emissions authorized under this permit condition shall be included in the monitoring, recordkeeping and reporting requirements of this permit.

(g) Except for de minimis emission increases allowed under this permit, 25 Pa. Code § 127.449, or sources and physical changes meeting the requirements of 25 Pa. Code § 127.14, the permittee is prohibited from making physical changes or engaging in activities that are not specifically authorized under this permit without first applying for a plan approval. In accordance with § 127.14(b), a plan approval is not required for the construction, modification, reactivation, or installation of the sources creating the de minimis emissions increase.

(h) The permittee may not meet de minimis emission threshold levels by offsetting emission increases or decreases at the same source.

#018 [25 Pa. Code §§ 127.11a & 127.215]

Reactivation of Sources

(a) The permittee may reactivate a source at the facility that has been out of operation or production for at least one year, but less than or equal to five (5) years, if the source is reactivated in accordance with the requirements of 25 Pa. Code §§ 127.11a and 127.215. The reactivated source will not be considered a new source.

(b) A source which has been out of operation or production for more than five (5) years but less than 10 years may be reactivated and will not be considered a new source if the permittee satisfies the conditions specified in 25 Pa. Code § 127.11a(b).

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(a) The owner of this Title V facility, or any other person, may not circumvent the new source review requirements of 25 Pa. Code Chapter 127, Subchapter E by causing or allowing a pattern of ownership or development, including the phasing, staging, delaying or engaging in incremental construction, over a geographic area of a facility which, except for the pattern of ownership or development, would otherwise require a permit or submission of a plan approval application.

(b) No person may permit the use of a device, stack height which exceeds good engineering practice stack height, dispersion technique or other technique which, without resulting in reduction of the total amount of air contaminants emitted, conceals or dilutes an emission of air contaminants which would otherwise be in violation of this permit, the Air Pollution Control Act or the regulations promulgated thereunder, except that with prior approval of the Department, the device or technique may be used for control of malodors.

#020 [25 Pa. Code §§ 127.402(d) & 127.513(1)]**Submissions**

(a) Reports, test data, monitoring data, notifications and requests for renewal of the permit shall be submitted to the:

Regional Air Program Manager
PA Department of Environmental Protection
(At the address given on the permit transmittal letter,
or otherwise notified)

(b) Any report or notification for the EPA Administrator or EPA Region III should be addressed to:

Air Enforcement Branch (3AP12)
United States Environmental Protection Agency
Region 3
1650 Arch Street
Philadelphia, PA 19103-2029

(c) An application, form, report or compliance certification submitted pursuant to this permit condition shall contain certification by a responsible official as to truth, accuracy, and completeness as required under 25 Pa. Code § 127.402(d). Unless otherwise required by the Clean Air Act or regulations adopted thereunder, this certification and any other certification required pursuant to this permit shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.

#021 [25 Pa. Code §§ 127.441(c) & 127.463(e); Chapter 139; & 114(a)(3), 504(b) of the CAA]**Sampling, Testing and Monitoring Procedures**

(a) The permittee shall perform the emissions monitoring and analysis procedures or test methods for applicable requirements of this Title V permit. In addition to the sampling, testing and monitoring procedures specified in this permit, the Permittee shall comply with any additional applicable requirements promulgated under the Clean Air Act after permit issuance regardless of whether the permit is revised.

(b) The sampling, testing and monitoring required under the applicable requirements of this permit, shall be conducted in accordance with the requirements of 25 Pa. Code Chapter 139 unless alternative methodology is required by the Clean Air Act (including §§ 114(a)(3) and 504(b)) and regulations adopted thereunder.

#022 [25 Pa. Code §§ 127.511 & Chapter 135]**Recordkeeping Requirements**

(a) The permittee shall maintain and make available, upon request by the Department, records of required monitoring information that include the following:

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- (1) The date, place (as defined in the permit) and time of sampling or measurements.
- (2) The dates the analyses were performed.
- (3) The company or entity that performed the analyses.
- (4) The analytical techniques or methods used.
- (5) The results of the analyses.
- (6) The operating conditions as existing at the time of sampling or measurement.

(b) The permittee shall retain records of the required monitoring data and supporting information for at least five (5) years from the date of the monitoring sample, measurement, report or application. Supporting information includes the calibration data and maintenance records and original strip-chart recordings for continuous monitoring instrumentation, and copies of reports required by the permit.

(c) The permittee shall maintain and make available to the Department upon request, records including computerized records that may be necessary to comply with the reporting, recordkeeping and emission statement requirements in 25 Pa. Code Chapter 135 (relating to reporting of sources). In accordance with 25 Pa. Code Chapter 135, § 135.5, such records may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions. If direct recordkeeping is not possible or practical, sufficient records shall be kept to provide the needed information by indirect means.

#023 [25 Pa. Code §§ 127.411(d), 127.442, 127.463(e) & 127.511(c)]

Reporting Requirements

(a) The permittee shall comply with the reporting requirements for the applicable requirements specified in this Title V permit. In addition to the reporting requirements specified herein, the permittee shall comply with any additional applicable reporting requirements promulgated under the Clean Air Act after permit issuance regardless of whether the permit is revised.

(b) Pursuant to 25 Pa. Code § 127.511(c), the permittee shall submit reports of required monitoring at least every six (6) months unless otherwise specified in this permit. Instances of deviations (as defined in 25 Pa. Code § 121.1) from permit requirements shall be clearly identified in the reports. The reporting of deviations shall include the probable cause of the deviations and corrective actions or preventative measures taken, except that sources with continuous emission monitoring systems shall report according to the protocol established and approved by the Department for the source. The required reports shall be certified by a responsible official.

(c) Every report submitted to the Department under this permit condition shall comply with the submission procedures specified in Section B, Condition #020(c) of this permit.

(d) Any records, reports or information obtained by the Department or referred to in a public hearing shall be made available to the public by the Department except for such records, reports or information for which the permittee has shown cause that the documents should be considered confidential and protected from disclosure to the public under Section 4013.2 of the Air Pollution Control Act and consistent with Sections 112(d) and 114(c) of the Clean Air Act and 25 Pa. Code § 127.411(d). The permittee may not request a claim of confidentiality for any emissions data generated for the Title V facility.

#024 [25 Pa. Code § 127.513]

Compliance Certification

(a) One year after the date of issuance of the Title V permit, and each year thereafter, unless specified elsewhere in the permit, the permittee shall submit to the Department and EPA Region III a certificate of compliance with the terms and conditions in this permit, for the previous year, including the emission limitations, standards or work practices. This

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certification shall include:

- (1) The identification of each term or condition of the permit that is the basis of the certification.
 - (2) The compliance status.
 - (3) The methods used for determining the compliance status of the source, currently and over the reporting period.
 - (4) Whether compliance was continuous or intermittent.
- (b) The compliance certification should be postmarked or hand-delivered within thirty days of each anniversary date of the date of issuance or, of the submittal date specified elsewhere in the permit, to the Department and EPA in accordance with the submission requirements specified in condition #020 of this section.

#025 [25 Pa. Code § 127.3]**Operational Flexibility**

(a) The permittee is authorized to make changes within the Title V facility in accordance with the following provisions in 25 Pa. Code Chapter 127 which implement the operational flexibility requirements of Section 502(b)(10) of the Clean Air Act and Section 6.1(i) of the Air Pollution Control Act:

- (1) Section 127.14 (relating to exemptions)
- (2) Section 127.447 (relating to alternative operating scenarios)
- (3) Section 127.448 (relating to emissions trading at facilities with Federally enforceable emissions caps)
- (4) Section 127.449 (relating to de minimis emission increases)
- (5) Section 127.450 (relating to administrative operating permit amendments)
- (6) Section 127.462 (relating to minor operating permit amendments)
- (7) Subchapter H (relating to general plan approvals and operating permits)

(b) Unless precluded by the Clean Air Act or the regulations adopted thereunder, the permit shield authorized under 25 Pa. Code § 127.516 shall extend to operational flexibility changes made at this Title V facility pursuant to this permit condition and other applicable operational flexibility terms and conditions of this permit.

#026 [25 Pa. Code §§ 127.441(d), 127.512(i) and 40 CFR Part 68]**Risk Management**

(a) If required by Section 112(r) of the Clean Air Act, the permittee shall develop and implement an accidental release program consistent with requirements of the Clean Air Act, 40 CFR Part 68 (relating to chemical accident prevention provisions) and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act (P.L. 106-40).

(b) The permittee shall prepare and implement a Risk Management Plan (RMP) which meets the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68 and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act when a regulated substance listed in 40 CFR § 68.130 is present in a process in more than the listed threshold quantity at the Title V facility. The permittee shall submit the RMP to the federal Environmental Protection Agency according to the following schedule and requirements:

(1) The permittee shall submit the first RMP to a central point specified by EPA no later than the latest of the following:

- (i) Three years after the date on which a regulated substance is first listed under § 68.130; or,

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(ii) The date on which a regulated substance is first present above a threshold quantity in a process.

(2) The permittee shall submit any additional relevant information requested by the Department or EPA concerning the RMP and shall make subsequent submissions of RMPs in accordance with 40 CFR § 68.190.

(3) The permittee shall certify that the RMP is accurate and complete in accordance with the requirements of 40 CFR Part 68, including a checklist addressing the required elements of a complete RMP.

(c) As used in this permit condition, the term "process" shall be as defined in 40 CFR § 68.3. The term "process" means any activity involving a regulated substance including any use, storage, manufacturing, handling, or on-site movement of such substances or any combination of these activities. For purposes of this definition, any group of vessels that are interconnected, or separate vessels that are located such that a regulated substance could be involved in a potential release, shall be considered a single process.

(d) If the Title V facility is subject to 40 CFR Part 68, as part of the certification required under this permit, the permittee shall:

(1) Submit a compliance schedule for satisfying the requirements of 40 CFR Part 68 by the date specified in 40 CFR § 68.10(a); or,

(2) Certify that the Title V facility is in compliance with all requirements of 40 CFR Part 68 including the registration and submission of the RMP.

(e) If the Title V facility is subject to 40 CFR Part 68, the permittee shall maintain records supporting the implementation of an accidental release program for five (5) years in accordance with 40 CFR § 68.200.

(f) When the Title V facility is subject to the accidental release program requirements of Section 112(r) of the Clean Air Act and 40 CFR Part 68, appropriate enforcement action will be taken by the Department if:

(1) The permittee fails to register and submit the RMP or a revised plan pursuant to 40 CFR Part 68.

(2) The permittee fails to submit a compliance schedule or include a statement in the compliance certification required under Condition #24 of Section B of this Title V permit that the Title V facility is in compliance with the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68, and 25 Pa. Code § 127.512(i).

#027 [25 Pa. Code § 127.512(e)]

Approved Economic Incentives and Emission Trading Programs

No permit revision shall be required under approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this Title V permit.

#028 [25 Pa. Code §§ 127.516, 127.450(d), 127.449(f) & 127.462(g)]

Permit Shield

(a) The permittee's compliance with the conditions of this permit shall be deemed in compliance with applicable requirements (as defined in 25 Pa. Code § 121.1) as of the date of permit issuance if either of the following applies:

(1) The applicable requirements are included and are specifically identified in this permit.

(2) The Department specifically identifies in the permit other requirements that are not applicable to the permitted facility or source.

(b) Nothing in 25 Pa. Code § 127.516 or the Title V permit shall alter or affect the following:

(1) The provisions of Section 303 of the Clean Air Act, including the authority of the Administrator of the EPA provided thereunder.

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- (2) The liability of the permittee for a violation of an applicable requirement prior to the time of permit issuance.
- (3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act.
- (4) The ability of the EPA to obtain information from the permittee under Section 114 of the Clean Air Act.
- (c) Unless precluded by the Clean Air Act or regulations thereunder, final action by the Department on minor or significant permit modifications, and operational flexibility changes shall be covered by the permit shield. Upon taking final action granting a request for an administrative permit amendment, the Department will allow coverage of the amendment by the permit shield in § 127.516 for administrative amendments which meet the relevant requirements of 25 Pa. Code Article III.
- (d) The permit shield authorized under § 127.516 is in effect for the permit terms and conditions in this Title V permit, including administrative operating permit amendments and minor operating permit modifications.

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SECTION C. Site Level Requirements

I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

The permittee may not permit the emission into the outdoor atmosphere of a fugitive air contaminant from a source other than the following:

- (a) Construction or demolition of buildings or structures.
- (b) Grading, paving and maintenance of roads and streets.
- (c) Use of roads and streets. Emissions from material in or on trucks, railroad cars and other vehicular equipment are not considered as emissions from use of roads and streets.
- (d) Clearing of land.
- (e) Stockpiling of materials.
- (f) Open burning operations.
- (g) Sources and classes of sources other than those identified in paragraphs (a)-(f), for which the operator has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:

- (1) the emissions are of minor significance with respect to causing air pollution; and
- (2) the emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

002 [25 Pa. Code §123.2]

Fugitive particulate matter

The permittee may not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in Site Level condition #001 (relating to prohibition of certain fugitive emissions) if such emissions are visible at the point the emissions pass outside the person's property.

003 [25 Pa. Code §123.31]

Limitations

MALODOR EMISSIONS

The permittee may not permit the emission into the outdoor atmosphere of any malodorous air contaminants from any source in such a manner that the malodors are detectable outside the property of the person on whose land the source is being operated.

004 [25 Pa. Code §123.41]

Limitations

VISIBLE EMISSIONS

(a) The permittee may not permit the emission into the outdoor atmosphere of visible air contaminants in such a manner that the opacity of the emission is either of the following:

- (1) Equal to or greater than 20% for a period or periods aggregating more than three minutes in any 1 hour.
- (2) Equal to or greater than 60% at any time.

(b) The limitations of section (a) shall not apply to a visible emission in any of the following instances:

- (1) when the presence of uncombined water is the only reason for failure of the emission to meet the limitations.
- (2) When the emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.
- (3) When the emission results from sources specified in Site Level Condition #001 (relating to prohibition of certain fugitive emissions).

SECTION C. Site Level Requirements**II. TESTING REQUIREMENTS.****# 005 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

All sampling, testing and analyses performed in compliance with the requirements of any section of this permit shall be done in accordance with General Title V Requirement #021.

III. MONITORING REQUIREMENTS.**# 006 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

If requested by the Department, the permittee shall perform a stack test, in accordance with the provisions of the most current publication of the DEP Source Testing Manual and Chapter 139 of the Rules and Regulations of the Department of Environmental Protection, within the time frame specified by the Department.

007 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.****FUGITIVE AND VISIBLE EMISSIONS**

The permittee shall conduct weekly inspections of the Hunlock Generating Station, during daylight hours when the plant is in operation, to detect visible and/or fugitive emissions (from sources not handled by the CEMs) as follows:

(a) Visible emissions in excess of the limits stated in Site Level Condition #004. Visible emissions may be measured according to the methods specified in Site Level Condition #012(b), or alternatively, plant personnel who observe any visible emissions (i.e. emissions in excess of 0% opacity) will report the incident of visible emissions to the Department within four (4) hours of each incident and make arrangements for a certified observer to verify the opacity of the emissions.

(b) The presence of fugitive emissions visible beyond the boundaries of the Hunlock Generating Station, as stated in Site Level Condition #002.

(c) The presence of malodorous air emissions detectable beyond the boundaries of the Hunlock Generating Station, as stated in Site Level Condition #003.

IV. RECORDKEEPING REQUIREMENTS.**# 008 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.****FUGITIVE AND VISIBLE EMISSIONS**

(a) The permittee shall, at the conclusion of each weekly inspection, record all occurrences of fugitive or visible emissions which deviate from the limitations, Site Level Conditions #002 and #004, in a log book.

(b) The permittee shall record any and all corrective action(s) taken to abate each recorded deviation or prevent future occurrences.

(c) Source(s) monitored by the continuous opacity monitor are exempt from the requirements of paragraph (a).

009 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

All records, reports and analyses results generated in compliance with the requirements of any section of this permit shall be maintained in accordance with General Title V Requirement #022, Section (b), and shall be made available to the Department upon written or verbal request at a reasonable time.

SECTION C. Site Level Requirements**V. REPORTING REQUIREMENTS.****# 010 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The permittee shall, within one (1) hour of occurrence, notify the Department at (570) 826-2511 (WB) of any malfunction which results in, or may possibly be resulting in, emissions of air contaminants in excess of the limitations specified in, or established pursuant to, this operating permit or any applicable rule or regulation contained in Article III of the Rules and Regulations of the Department of Environmental Protection. A written report shall be submitted to the Department within five (5) working days following the incident, describing the malfunction and the corrective actions being taken. The Department may take enforcement action for any violations of the applicable standards.

011 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.****FUGITIVE AND VISIBLE EMISSIONS**

(a) On a semi-annual basis, the permittee shall compile a report of all logged instances of deviation of the fugitive or visible emission limitations that occurred and the actions taken in response to them. This report shall be submitted to the Department.

(b) If no deviations have been logged during the reported period, this report shall be retained at the Hunlock Generating Station and made available to the Department upon request.

VI. WORK PRACTICE REQUIREMENTS.**# 012 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

The permittee shall take all reasonable actions to prevent particulate matter from becoming airborne. These actions shall include, but not be limited to, the following:

- (a) Use, where possible, of water or chemicals for control of dust in the demolition of buildings or structures, construction operations, the grading of roads, or the clearing of land.
- (b) Application of asphalt, oil, water or suitable chemicals on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts.
- (c) Paving and maintenance of roadways.
- (d) Prompt removal of earth or other material from paved streets onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water, or other means.

013 [25 Pa. Code §123.43]**Measuring techniques****VISIBLE EMISSIONS**

Visible emissions may be measured using either of the following:

- (a) A device approved by the Department and maintained to provide accurate opacity measurements.
- (b) Observers, trained and qualified to measure plume opacity with the naked eye or with the aid of any devices approved by the Department.

014 [25 Pa. Code §129.14]**Open burning operations****Outside of air basins.**

- (a) The permittee may not permit the open burning of material in an area outside of air basins in a manner that:

SECTION C. Site Level Requirements

- (1) The emissions are visible, at any time, at the point such emissions pass outside the property of the person on whose land the open burning is being conducted.
- (2) Malodorous air contaminants from the open burning are detectable outside the property of the person on whose land the open burning is being conducted.
- (3) The emissions interfere with the reasonable enjoyment of life or property.
- (4) The emissions cause damage to vegetation or property.
- (5) The emissions are or may be deleterious to human or animal health.

(b) Exceptions: The requirements of subsection (a) do not apply where the open burning operations result from:

- (1) A fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a public officer.
- (2) A fire set for the purpose of instructing personnel in fire fighting, when approved by the Department.
- (3) A fire set for the prevention and control of disease or pests, when approved by the Department.

(c) Clearing and grubbing wastes. The following is applicable to clearing and grubbing wastes:

- (1) As used in this subsection the following terms shall have the following meanings:

Air curtain destructor -- A mechanical device which forcefully projects a curtain of air across a pit in which open burning is being conducted so that combustion efficiency is increased and smoke and other particulate matter are contained.

Clearing and grubbing wastes -- Trees, shrubs, and other native vegetation which are cleared from land during or prior to the process of construction. The term does not include demolition wastes and dirt laden roots.

(2) Subsection (a) notwithstanding clearing and grubbing wastes may be burned outside of an air basin, subject to the following limitations:

(i) Upon receipt of a complaint or determination by the Department that an air pollution problem exists, the Department may order that the open burning cease or comply with subsection (a) of this section.

(ii) Authorization for open burning under this paragraph does not apply to clearing and grubbing wastes transported from an air basin for disposal outside of an air basin.

(3) During an air pollution episode, open burning is limited by 25 Pa. Code Chapter 137 (relating to air pollution episodes) and shall cease as specified in such chapter.

VII. ADDITIONAL REQUIREMENTS.

015 [25 Pa. Code §127.531]

Special conditions related to acid rain.

Source 031 at the Hunlock Generating Station is an affected unit subject to Phase II acid rain requirements under Title IV of the Clean Air Act and 25 Pa. Code §127.531. The Department of Environmental Protection hereby issues and incorporates by reference into this Title V operating permit the required Acid Rain Phase II permit for the facility (Attachment A).

(a) Sulfur Dioxide (SO₂) Allowance Allocations and Nitrogen Oxide (NO_x) Requirements for each affected combustion unit: See Attachment A, Page 2.

(b) Comments, Notes and Justification: See Attachment A, Page 2.

VIII. COMPLIANCE CERTIFICATION.

The permittee shall submit within thirty days of 01/01/1996 a certificate of compliance with all permit terms and conditions set forth in this Title V permit as required under condition #24 of section B of this permit, and annually thereafter.

**SECTION C. Site Level Requirements****IX. COMPLIANCE SCHEDULE.**

No compliance milestones exist.

***** Permit Shield In Effect *****

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**SECTION D. Source Level Requirements**

Source ID: 031

Source Name: FOSTER WHEELER BOILER 6

Source Capacity/Throughput: 636.500 MMBTU/HR

Conditions for this source occur in the following groups: G1

**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §123.11]

Combustion units

The concentration of particulate matter (expressed as Total Suspended Particulate) in the emissions from Source 031 shall not exceed 0.1000 Pounds per Million BTU of Total Suspended Particulate.

002 [25 Pa. Code §123.22]

Combustion units

The concentration of Sulfur Oxides (expressed as SO₂) in the emissions from Source 031 shall not exceed the following limitations:

- (a) On a 30-day running average, the emissions shall not exceed 3.7000 Pounds per Million BTU of Sulfur Dioxide;
- (b) As a daily average, not to be exceeded on more than two (2) days in any running 30-day period, the emissions shall not exceed 4.0000 Pounds per Million BTU of Sulfur Dioxide; and
- (c) As a daily average maximum emission limit, not to be exceeded at any time, the emissions shall not exceed 4.8000 Pounds per Million BTU of Sulfur Dioxide.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Authority for this condition is also derived from 25 Pa. Code, §129.92]

The concentration of Nitrogen Oxides (NO_x) in the emissions from Source 031 shall not, as a 30-day running average, exceed 0.6900 Pounds per Million BTU of Nitrogen Oxides.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

A maximum of 102 Lbs per year of VOC emissions will be realized from the use of synthetic fuel.

Fuel Restriction(s).

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Authority for this condition is also derived from 25 Pa. Code, §129.92]

The percent (%) by weight ash content of the waste oil to be combusted in Source 031 shall not exceed the level determined by the following equation:

$$\% \text{ Ash} = \frac{0.4 \cdot X}{8.34 \cdot Y \cdot 10^4}, \text{ where}$$

SECTION D. Source Level Requirements

X = the Heating Value of the waste fuel in BTU/Gallon, and
Y = the Specific Gravity of the waste fuel.

006 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

When combusting synthetic fuel, the binder will be Covol 298-1 at a maximum application rate of 0.1% by weight.

007 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Authority for this condition is also derived from 25 Pa. Code, §129.92]

The metallic contents of the waste fuel oil combusted in Source 031 may not exceed the following limitations:

a) Arsenic:	Acceptable Conc.=	Less than 5 ppm	Analytical Tech.- Atomic Absorption
b) Cadmium:	Acceptable Conc.=	Less than 2 ppm	Analytical Tech.- Atomic Absorption
c) Chromium:	Acceptable Conc.=	Less than 10 ppm	Analytical Tech.- Atomic Absorption
d) Lead:	Acceptable Conc.=	Less than 100 ppm	Analytical Tech.- Atomic Absorption
e) PCBs:	Acceptable Conc.=	No detectable Level	Analytical Tech.- H2SO4 ext./GC Electron capt.
f) Total Halides:	Acceptable Conc.=	Less than 1000 ppm	Analytical Tech.- Ref. Method ASTM D-808-81

008 [25 Pa. Code §127.444]**Compliance requirements.**

With the exception of the RACT allowance for the combustion of waste oils generated at the facility, only anthracite coal, bituminous coal, petroleum coke, #2 fuel oil or synthetic fuel may be combusted by this source.

Operation Hours Restriction(s).**# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Authority for this condition is also derived from 25 Pa. Code, §129.92]

The permittee shall limit the operation schedule of the double-arch furnace boiler #6 (Source 031) such that its total annual operating time does not to exceed 8,600 hours/year.

Throughput Restriction(s).**# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Synthetic fuel consumption is limited to a maximum of 60,000 tons per year.

II. TESTING REQUIREMENTS.**# 011 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

[Authority for this condition is also derived from 25 Pa. Code, §129.92]

The permittee shall perform a monthly analysis of the waste oil to be disposed of in this combustion unit. A representative sample of the oil shall be obtained and tested. The fuel characteristics to be determined shall include, but not be limited to, the following:

- (a) The heating value (in Btu/gal);
- (b) The percent (%) ash content, by weight;

SECTION D. Source Level Requirements

- (c) The specific gravity of the oil; and
- (d) The concentrations of the following heavy metals:

- (1) Arsenic Compounds,
- (2) Cadmium Compounds,
- (3) Chromium Compounds,
- (4) Lead Compounds,
- (5) PCBs, and
- (6) Total Halides.

012 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

To demonstrate compliance with Source Level Condition #001, the permittee shall, on a daily basis, obtain a representative sample of the coal burned by this boiler to be analyzed for determination of the percent (%) ash content, by weight. The ash analysis of the coal shall be done in accordance with ASTM D-3174/73 and 25 Pa. Code, Chapter 139.

013 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

(a) The permittee shall maintain the Opacity analyzer in accordance with the Quality Assurance and Performance Testing procedures specified in the most current publication of the DEP Continuous Source Monitoring Manual, and 25 Pa. Code, Chapter 139, Subchapter C (relating to requirements for continuous in-stack monitoring for stationary sources).

(b) The permittee shall maintain the Sulfur Dioxide and Nitrogen Oxide analyzers in accordance with the Quality Assurance and Performance Testing procedures specified in the most current publication of the DEP Continuous Source Monitoring Manual, and in accordance with 25 Pa. Code, Chapter 139.

III. MONITORING REQUIREMENTS.

014 [25 Pa. Code §123.25]

Monitoring requirements

The permittee shall operate a Continuous Emission Monitor (CEM) that shall record the emission of sulfur oxides (expressed as SO₂) from Source 031 on a minute-by-minute basis. The SO₂ emission data shall be recorded in units of parts per million (ppm) and pounds per million Btu (lbs/MMBtu). This data shall be maintained by the Data Acquisition and Handling System (DAHS) associated with the facility's CEM systems.

015 [25 Pa. Code §123.46]

Monitoring requirements

The permittee shall operate a Continuous Emissions Monitor (CEM) that shall record the opacity of emissions from Source 031 on a minute-by-minute basis. This opacity data shall be maintained by the Data Acquisition and Handling System (DAHS) associated with the facility's CEM systems.

016 [25 Pa. Code §123.51]

Monitoring requirements

The permittee shall operate a Continuous Emission Monitor (CEM) that shall record the emission of nitrogen oxides (NO_x) from Source 031 on a minute-by-minute basis. The NO_x emission data shall be recorded in units of parts per million (ppm) and pounds per million Btu (lbs/MMBtu). This data shall be maintained by the Data Acquisition and Handling System (DAHS) associated with the facility's CEM systems.

017 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall, on a daily basis, monitor the hours of operation of the #6 boiler.

SECTION D. Source Level Requirements

018 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

[Authority for this condition is also derived from 40 CFR Part 64, regarding Compliance Assurance Monitoring (CAM)]

(a) Data Representativeness

(1) The % opacity measured by the COM is proportional to the amount of particulate matter in the exhaust stream. The accuracy of the COM shall be verified annually by methods specified in the most recent version of the Department of Environmental Protection's CEM Manual.

(2) The operating voltage and current in the electrostatic precipitators shall be measured by manufacturer provided instrumentation.

(3) The % opacity and operating voltage & current will act as a direct indication of the integrity of the electrostatic precipitators and the various components involved. The COM is located in the exhaust stack after the precipitator outlet. The COM shall have a minimum accuracy of +/- 1% Opacity.

(b) Verification of Operational Status

(1) The operation of the COM shall be verified by a power "on" indicator light in the control center, the presence of a non-zero opacity signal on the COM readout, and the results of the QA/QC program.

(2) The operation of the voltmeter and ammeter shall be verified by a check of measurements during the precipitators' "cleaning" cycle.

(c) QA/QC Practices

(1) To assure the accuracy of readings from the COM, the permittee shall perform daily drift checks, a quarterly calibration audit, and an annual RATA. The daily zero/span drift may not exceed 2%. Calibration error may not exceed 3% on a quarterly basis.

(2) To assure the accuracy of readings from the voltmeter and ammeter, the permittee shall confirm the meters read zero when the units are not operational.

(d) Data Collection Procedures & Averaging Periods

(1) An electronic data acquisition & handling system (DAHS) shall collect data points from the COM approximately every 10 seconds. These % opacity data points are reduced to 1-minute averages and then to 1-hour averages. Overall averaging period is in one hour blocks.

(2) Total power input shall be calculated for each precipitator from observed secondary voltage & current and recorded manually.

019 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

[Additional authority for permit conditions (a)-(c) is also derived from 40 CFR §64.6 & §64.3]

(a) The permittee shall use the opacity, voltage and current readings to obtain data and monitor the emission control equipment performance.

(b) The permittee shall use a Continuous Opacity Meter (COM) to measure opacity downstream of the electrostatic precipitators.

SECTION D. Source Level Requirements

(c) The permittee shall use manufacturer provided instrumentation to monitor the secondary voltage and current within the electrostatic precipitators.

(d) The permittee shall monitor the aforementioned performance indicators on a continuous basis.

[Additional authority for permit condition (d) is also derived from 40 CFR §64.3]

(e) For the purposes of determining an excursion, the permittee shall collect opacity data points over one hour blocks and shall check the secondary voltage and current once per weekday.

IV. RECORDKEEPING REQUIREMENTS.

020 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

[Authority for this condition is also derived from 25 Pa. Code, §129.92]

The company shall maintain records in accordance with the recordkeeping requirements of 25 Pa. Code, §129.95, and shall include, as a minimum, the following:

(a) Data which clearly demonstrate that Source 031 never exceeds the operational limit of 8,600 hours per year.

(b) The records shall provide sufficient data to clearly demonstrate that the NO_x emission limit of Source Level Condition #003 and 25 Pa. Code, §§129.91-94 are met.

021 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall record data concerning Opacity, NO_x and SO₂ emissions, and Volumetric Air Flow on a minute-by-minute basis, and the data shall be maintained at the Station by the Data Acquisition and Handling System (DAHS) associated with the continuous emission monitoring systems.

022 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall record the results of each ash content analysis of the coal. These records, and the quantity of fuel consumed, shall be used in the calculation of particulate emissions from the combustion of coal by this source.

023 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

[Additional authority for permit conditions (a)-(d) is also derived from 40 CFR §64.9]

(a) The permittee shall continuously record opacity readings using the data acquisition & handling system (DAHS).

(b) The permittee shall record the secondary voltage and current once per weekday to calculate total power.

(c) The permittee shall record all excursions and corrective actions taken in response to an excursion and the time elapsed until the corrective actions have been taken.

(d) The permittee shall record all inspections, repair and maintenance performed on the monitoring equipment.

(e) The permittee shall maintain records of all monitoring downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable). The permittee shall also record the dates, times and durations, possible causes and corrective actions taken for the incidents.

[Additional authority for permit condition (e) is also derived from 40 CFR §70.6(a)(3)(ii)(B)]

SECTION D. Source Level Requirements

(e) The permittee shall keep all records for a period of five (5) years and make records available to the Department upon request.

V. REPORTING REQUIREMENTS.

024 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

(a) At the close of each calendar quarter, the permittee shall submit to the Department the following Continuous Emissions Monitor (CEM) reports:

(1) The permittee shall compile a Sulfur Oxide (SO₂) Emission Report, from the SO₂ CEM emission data collected during the three (3) preceding months, for submission to the Department. The SO₂ emissions shall be expressed on an hourly basis, in units of lbs/MMBtu.

(2) The permittee shall compile an Opacity Emission Report, from the Opacity CEM data, of the hourly average opacity, during the preceding three (3) months for submittal to the Department. Opacity shall be expressed as a percentage (%).

(3) The permittee shall compile a Nitrogen Oxide (NO_x) Emission Report, from the NO_x CEM emission data collected during the three (3) preceding months, for submission to the Department. The NO_x emissions shall be expressed on an hourly basis, in units of Lbs/MMBtu.

(b) Each of these reports shall be submitted to the Department within thirty (30) days of the close of each quarter. The Department reserves the right to require that any CEM reports made requisite by the conditions of this permit be submitted upon floppy disk, with a format acceptable to the Department.

025 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

[Authority for this condition is also derived from 25 Pa. Code, §129.92]

To demonstrate compliance with Source Level Conditions #004 and #005, the permittee shall adhere to the following reporting requirements:

(a) Submit, on a quarterly basis, a report of the results of each waste oil analysis completed in the preceding three (3) months, and the amount of waste oil burned in that period, to the Department of Environmental Protection within thirty (30) days of the close of each calendar quarter.

026 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

[Additional authority for permit condition (a) is also derived from 40 CFR §64.9 & §70.6(a)(3)(iii)(A)]

(a) The permittee shall report all excursions and corrective actions taken, the dates, times, durations and possible causes in the Quarterly CEMs Emissions Reports.

[Additional authority for permit condition (b) is also derived from 40 CFR §64.9]

(b) The permittee shall report all monitoring downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable), their dates, times and durations, possible causes and corrective actions taken in the Quarterly CEMs Emissions Reports.

VI. WORK PRACTICE REQUIREMENTS.

027 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Authority for this condition is also derived from 25 Pa. Code, §129.92]

SECTION D. Source Level Requirements

(a) The permittee is hereby authorized to dispose of waste oils, which are generated on the premises of the Hunlock Creek Station, by means of incineration in the No. 6 boiler. This authorization is conditional to the waste oil meeting the percent (%) ash, by weight, and heavy metal content fuel characteristic limitations of Source Level Conditions #004 and #005. The combustion of waste oil from any source other than the facility is prohibited.

(b) If the waste oil exceeds the ash or contaminant limitations, or a copy of the analysis of each batch of waste oil is not submitted to the Department within 30 days of the date on which the analysis was completed, no waste oil may be disposed of in the boiler.

028 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

[Addition authority for permit conditions (a)-(e) is also derived from 40 CFR §64.8]

(a) The permittee shall develop and implement a quality improvement plan (QIP) as expeditiously as practicable if any of the following occurs:

- (1) Six or more excursions occur in a six-month reporting period.
- (2) The Department determines after review of all reported information that the permittee has not responded acceptably to an excursion.

(b) In general, the QIP should be developed within 60 days and the permittee shall provide a copy of the QIP to the Department. Furthermore, the permittee shall notify the Department if the period for completing the improvements contained within the QIP exceeds 180 days from the date on which the need to implement the QIP was determined.

(c) In accordance with 40 CFR Part 64, §64.8, the QIP shall include procedures for evaluating the control performance problems. Based on the results of the evaluation procedures, the permittee shall modify the QIP, and provide a copy to the Department, to include procedures for conducting more frequent or improved monitoring in conjunction with one or more of the following:

- (1) Improved preventative maintenance practices.
- (2) Process operation changes.
- (3) Appropriate improvements to control methods.
- (4) Other steps appropriate to correct performance.

(d) Following implementation of a QIP, the Department will require reasonable revisions to the QIP if the plan has failed to either:

- (1) Address the cause of the control device performance problem; or
- (2) Provide adequate procedures for correcting control device performance problems as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.

(e) Implementation of a QIP shall not excuse the owner or operator of a source from compliance with any existing emission limitation or standard or any existing monitoring, testing, reporting or recordkeeping requirement that may apply under any Federal, State, or Local laws or any other applicable requirements under the Clean Air Act.

[Additional authority for permit condition (f) is also derived from 40 CFR §64.9]

(f) The permittee shall record actions taken to implement the QIP during a reporting period and all related actions including, but not limited to inspections, repairs and maintenance performed on the monitoring equipment.

029 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

SECTION D. Source Level Requirements

[Additional authority for permit condition (a) is also derived from 40 CFR §64.3 & §64.6]

(a) The permittee shall adhere to the following ranges so that operation within the ranges shall provide reasonable assurance of compliance:

(1) The total power is product of secondary voltage and current within the ESPs. An excursion is defined as:

- (i) any total power calculated to be equal to or in excess of 3.5 kW for Precipitator #1 (Control Device C01).
- (ii) any total power calculated to be equal to or in excess of 16.0 kW for Precipitator #2 (Control Device C02).

[Additional authority for permit conditions (b)-(d) is also derived from 40 CFR §64.3]

(b) The permittee shall utilize approved QA/QC practices that are adequate to ensure continuing validity of data and proper performance of the devices.

(1) The permittee shall, for the opacity measuring devices, maintain detectors or sensors at locations approved by the Department for obtaining data that are representative of the electrostatic precipitator exhaust gas opacity, secondary voltage, and secondary current.

(2) The permittee shall develop verification procedures to confirm the operational status of new or modified monitoring equipment prior to commencement of the monitoring process.

(3) The permittee shall calibrate and check the accuracy of monitoring equipment taking into account the manufacturer's specifications at approved time intervals.

(c) The permittee shall maintain all monitoring equipment and stock parts necessary for routine repairs onsite.

(d) The permittee shall ensure that at least 90% of the monitoring data has been properly and accurately collected.

[Additional authority for permit condition (e) is also derived from 40 CFR §64.4]

(e) The permittee shall submit an implementation plan and schedule if the monitoring of the opacity requires an installation, testing or other necessary activities. The schedule for completing installation and beginning operation of the monitoring may not exceed 180 days after the issuance date of this permit.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

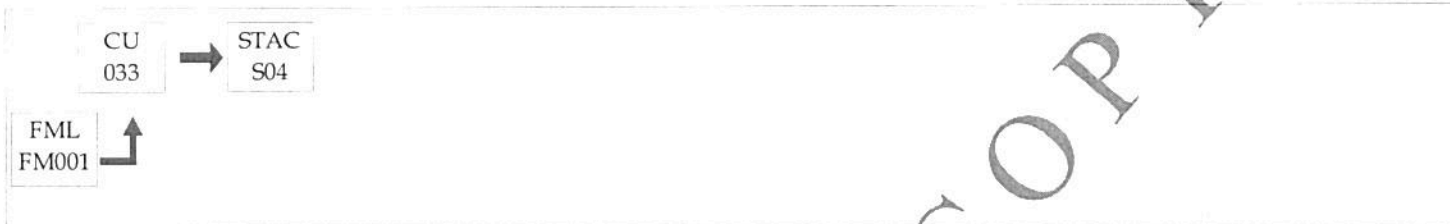
**SECTION D. Source Level Requirements**

Source ID: 033

Source Name: CLEAVER BROOKS BOILER 8

Source Capacity/Throughput: 31.200 MMBTU/HR
227.000 Gal/HR #2 Oil

Conditions for this source occur in the following groups: G1

**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §123.11]

Combustion units

The concentration of particulate matter (expressed as TSP) in the emissions from this boiler shall not exceed 0.4000 Pounds per Million BTU of Total Suspended Particulate.

002 [25 Pa. Code §123.22]

Combustion units

The concentration of sulfur oxides (expressed as SO₂) in the emissions from this boiler shall not exceed 4.0000 Pounds per Million BTU of Sulfur Dioxide over any 1-hour period.

Fuel Restriction(s).

003 [25 Pa. Code §127.444]

Compliance requirements.

This combustion unit shall only combust #2 distillate fuel oil.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

004 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall, on a daily basis, monitor the hours of operation of this boiler.

IV. RECORDKEEPING REQUIREMENTS.

005 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall keep records of the hours of operation of this boiler. This, with the records of the heating value, ash content and sulfur content of the #2 fuel oil, shall be used with EPA's AP-42 emission factors to determine compliance with Source Level Conditions #001 and #002.

006 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

[Authorization for this condition is also derived from 25 Pa. Code, §129.93]

SECTION D. Source Level Requirements

(a) The permittee shall record each adjustment conducted under the procedures in Source Level Condition #007 in a permanently bound log book or other method approved by the Department. This log shall contain, at a minimum, the following information:

- (1) The date of the tuning procedure;
- (2) The name of the service company and technicians;
- (3) The final operating rate or load;
- (4) The final CO and NO_x emission rates; and
- (5) The final excess oxygen rate.

(b) The permittee shall maintain records including a certification from the fuel supplier of the type of fuel and for each shipment of distillate oil #2, a certification that the fuel complies with ASTM D396-78 "Standard Specifications for Fuel Oils."

(c) The permittee shall make the annual adjustment in accordance with the EPA document "Combustion Efficiency Optimization Manual for Operators of Oil and Gas-fired Boilers," September 1983 (EPA-340/1-83-023) or equivalent procedures approved in writing by the Department.

V. REPORTING REQUIREMENTS.

007 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

To demonstrate compliance with the emission limitations of Source Level Condition #001 & #002, the permittee shall, on a quarterly basis, compile a Sulfur Dioxide (SO₂) & Particulate Matter (PM) Emissions Report for operations during the three (3) preceding months. Using the data recorded in compliance with Source Level Condition #005 and Source Group Level Condition #003, the permittee shall determine the emissions of SO₂ & PM, to be expressed in units of Lbs/MMBtu and Lbs/Hour. This report shall be submitted to the Department within thirty (30) days of the close of each calendar quarter.

VI. WORK PRACTICE REQUIREMENTS.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Authorization for this condition is also derived from 25 Pa. Code, §129.93]

The permittee shall develop and implement the following practices to comply with presumptive RACT:

(a) The performance of an annual adjustment or tuneup on the combustion process. This adjustment shall include, at a minimum, the following:

- (1) Inspection, adjustment, and cleaning or replacement of fuel-burning equipment, including the burners and moving parts necessary for proper operation as specified by the manufacturer.
- (2) Inspection of the flame pattern or characteristics and adjustments necessary to minimize total emissions of NO_x, and to the extent practicable minimize emissions of CO.
- (3) Inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation as specified by the manufacturer.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 034

Source Name: CLEAVER BROOKS BOILER 7

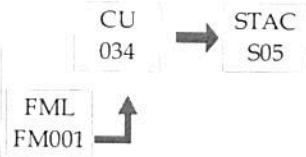
Source Capacity/Throughput:

31.200 MMBTU/HR

227.000 Gal/HR

#2 Oil

Conditions for this source occur in the following groups: G1

**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §123.11]

Combustion units

The concentration of particulate matter (expressed as TSP) in the emissions from this boiler shall not exceed 0.4000 Pounds per Million BTU of Total Suspended Particulate.

002 [25 Pa. Code §123.22]

Combustion units

The concentration of sulfur oxides (expressed as SO₂) in the emissions from this boiler shall not exceed 4.0000 Pounds per Million BTU of Sulfur Dioxide over any 1-hour period.

Fuel Restriction(s).

003 [25 Pa. Code §127.444]

Compliance requirements.

This combustion unit shall only combust #2 distillate fuel oil.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

004 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall, on a daily basis, monitor the hours of operation of this boiler.

IV. RECORDKEEPING REQUIREMENTS.

005 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

[Authorization for this condition is also derived from 25 Pa. Code, §129.93]

(a) The permittee shall record each adjustment conducted under the procedures in Source Level Condition #007 in a permanently bound log book or other method approved by the Department. This log shall contain, at a minimum, the following information:

(1) The date of the tuning procedure;

SECTION D. Source Level Requirements

- (2) The name of the service company and technicians;
- (3) The final operating rate or load;
- (4) The final CO and NOx emission rates; and
- (5) The final excess oxygen rate.

(b) The permittee shall maintain records including a certification from the fuel supplier of the type of fuel and for each shipment of distillate oil #2, a certification that the fuel complies with ASTM D396-78 "Standard Specifications for Fuel Oils."

(c) The permittee shall make the annual adjustment in accordance with the EPA document "Combustion Efficiency Optimization Manual for Operators of Oil and Gas-fired Boilers," September 1983 (EPA-340/1-83-023) or equivalent procedures approved in writing by the Department.

006 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall keep records of the hours of operation of this boiler. This, with the records of the heating value, ash content and sulfur content of the #2 fuel oil, shall be used with EPA's AP-42 emission factors to determine compliance with Source Level Conditions #001 and #002.

V. REPORTING REQUIREMENTS.

007 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

To demonstrate compliance with the emission limitations of Source Level Condition #001 & #002, the permittee shall, on a quarterly basis, compile a Sulfur Dioxide (SO₂) & Particulate Matter (PM) Emissions Report for operations during the three (3) preceding months. Using the data recorded in compliance with Source Level Condition #004 and Source Group Level Condition #003, the permittee shall determine the emissions of SO₂ & PM, to be expressed in units of Lbs/MMBtu and Lbs/Hour. This report shall be submitted to the Department within thirty (30) days of the close of each calendar quarter.

VI. WORK PRACTICE REQUIREMENTS.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Authorization for this condition is also derived from 25 Pa. Code, §129.93]

The permittee shall develop and implement the following practices to comply with presumptive RACT:

- (a) The performance of an annual adjustment or tuneup on the combustion process. This adjustment shall include, at a minimum, the following:
 - (1) Inspection, adjustment, and cleaning or replacement of fuel-burning equipment, including the burners and moving parts necessary for proper operation as specified by the manufacturer.
 - (2) Inspection of the flame pattern or characteristics and adjustments necessary to minimize total emissions of NO_x, and to the extent practicable minimize emissions of CO.
 - (3) Inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation as specified by the manufacturer.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

*** Permit Shield in Effect. ***

**SECTION D. Source Level Requirements**

Source ID: CT1

Source Name: SIMPLE CYC COMBUSTION TURBINE W/WATER INJECTION

Source Capacity/Throughput: 424.600 MMBTU/HR

**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §123.13]

Processes

The concentration of Particulate Matter (expressed as TSP) in the exhaust gases from this source may not exceed 0.02 grains per dry standard cubic foot of Total Suspended Particulate.

002 [25 Pa. Code §123.21]

General

The concentration of Sulfur Oxides (expressed as SO₂) in the emissions from this source may not exceed 500 Parts per Million (by volume, on a dry-basis) of Sulfur Dioxide over any 1-hour period.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The emissions of Nitrogen Oxides (expressed as NO_x) from this source shall not exceed 25 ppm (@ 15% O₂) of Nitrogen Oxides. This limit applies at all times except during periods of start-up or shutdown of the source, as defined below:

(1) The start-up period is a period from no electrical generation up to one (1) hour after the unit is started. Normal operation is considered to have started after the one (1) hour start-up time, and the NO_x limit mentioned above shall apply. The start-up period may not exceed 1 hour per occurrence.

(2) Shutdown commences with cessation of fuel (natural gas) being injected into the combustion chambers. The shutdown period may not exceed 1 hour per occurrence.

(b) The emission of NO_x from this sources shall not exceed 41 Lbs per Hour (based on a 3-hour rolling average) of Nitrogen Oxides.

(c) The emission of NO_x from this source shall not exceed 37.9 Tons per Year (based on a 12-month rolling summation) of Nitrogen Oxides.

(d) The limitations of paragraphs (b) and (c) include the emission of NO_x during periods of start-up and shutdown.

Fuel Restriction(s).

004 [25 Pa. Code §127.444]

Compliance requirements.

This source shall combust only natural gas.

Operation Hours Restriction(s).

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This source shall not operate more than 1850 hours per year (based upon a 12-month rolling summation).

**SECTION D. Source Level Requirements****II. TESTING REQUIREMENTS.**

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Authority for this condition is also derived from 25 Pa. Code, Section 127.83 and 40 CFR §52.1(j)(2)]

Nitrogen Oxides emissions from this source shall be recorded on a continuous basis. This monitoring device shall be operated and maintained in accordance with the quality assurance, recordkeeping and reporting requirements of 25 Pa. Code, Chapter 139 and the most recent publication of the Department's Continuous Source Monitoring Manual.

007 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

[Authority for this condition is also derived from 25 Pa. Code, §127.83 and 40 CFR §52.1(j)(2)]

The permittee shall operate and maintain a continuous source monitoring system to monitor and record nitrogen oxide (NOx) emissions from this turbine. The system shall include a continuous oxygen (O2) monitor to correct the observed reading of NOx concentration to 15% O2 and have the capability of recording both NOx concentration and mass emission rates. Design of this monitoring system must be approved by the Department and recordkeeping and reporting procedures must be in accordance with the requirements of the latest publication of the Continuous Source Monitoring Manual.

008 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

[Authority for this condition is also derived from 25 Pa. Code, §127.83 and 40 CFR §52.1(j)(2)]

The permittee shall operate and maintain a continuous monitoring system to monitor and record the fuel consumption and the water injection rate in the turbine. This system shall be accurate to within 5% and shall be approved by the Department.

009 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.334]

Subpart GG - Standards of Performance for Stationary Gas Turbines

Monitoring of operations.

The permittee shall monitor sulfur content of the fuel being fired by the turbine. The frequency of determination of these values shall be determined and recorded daily. The facility or fuel vendors may develop custom schedules for determination of the values based on the design and operation of the affected facility and the characteristics of the fuel supply. These custom schedules shall be substantiated with data and must be approved by the Department before they can be used to comply with paragraph (b) of this section.

IV. RECORDKEEPING REQUIREMENTS.

010 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

[Authority for this condition is also derived from 25 Pa. Code, §127.83 and 40 CFR §52.1(j)(2)]

The permittee shall maintain the following records:

- (a) Data which clearly demonstrates that the heat input for the turbine never exceeds its rated capacity.
- (b) Data which clearly demonstrates that the turbine never exceeds the operational limit of 1,850 hours per year (based on a 12-month rolling summation).
- (c) The records shall provide sufficient data to clearly demonstrate that the requirements of Source Level Conditions #001, #002 & #004 are met.

**SECTION D. Source Level Requirements****# 011 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The permittee shall record the hours of operations of this source on a yearly basis. These records shall be made available to the Department upon request.

012 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.7]**Subpart A - General Provisions****Notification and record keeping.**

(a) The permittee shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

(b) The permittee shall maintain a file of all measurements, including continuous monitoring system, monitoring device, and performance testing measurements; all continuous monitoring system performance evaluations; all continuous monitoring system or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required by this part recorded in a permanent form suitable for inspection. The file shall be retained for at least two years following the date of such measurements, maintenance, reports, and records.

V. REPORTING REQUIREMENTS.**# 013 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

This source is subject to Subpart GG of the Standards of Performance for New Stationary Sources and shall comply with all applicable requirements of this Subpart. 40 CFR §60.4 requires the submission of copies of all requests, reports, applications, submittals and other communications to both EPA and the Department. The EPA copies shall be forwarded to:

Director
Air, Toxics and Radiation
US EPA, Region III
1650 Arch Street
Philadelphia, PA 19103-2029

014 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

[Authority for this condition is also derived from 25 Pa. Code, §127.83 and 40 CFR §52.1(j)(2)]

All CEM reports shall be submitted to the Department within thirty (30) days after each quarter, but no later than the time frame established in the Department's latest Continuous Source Monitoring Manual. The Department reserves the right to require the report in floppy disks with a format acceptable to the Department.

015 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.334]**Subpart GG - Standards of Performance for Stationary Gas Turbines****Monitoring of operations.**

For the purpose of reports required under Source Level Condition #012(a), periods of excess emissions that shall be reported are defined as follows:

(1) Sulfur dioxide. Any daily period during which the sulfur content of the fuel being fired in the gas turbine exceeds 0.8 percent.

(2) Ice fog. Each period during which an exemption provided in 40 CFR §60.332(g) is in effect shall be reported in writing to the Department and EPA quarterly. For each period the ambient conditions existing during the period, the date and time the

SECTION D. Source Level Requirements

air pollution control system was deactivated, and the date and time the air pollution control system was reactivated shall be reported. All quarterly reports shall be postmarked by the 30th day following the end of each calendar quarter.

(3) Emergency fuel. Each period during which an exemption provided in 40 CFR §60.332(k) is in effect shall be included in the report required in Source Level Condition #010(a). For each period, the type, reasons, and duration of the firing of the emergency fuel shall be reported.

016 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.7]

Subpart A - General Provisions

Notification and record keeping.

(a) The permittee shall submit an excess emission and monitoring system performance report and/or a summary report form to the Department quarterly, except when: more frequent reporting is specifically required by an applicable subpart; or the CMS data are to be used directly for compliance determination, in which case quarterly reports shall be submitted; or the Administrator, on a case-by-case basis, determines that more frequent reporting is necessary to accurately assess the compliance status of the source. All reports shall be postmarked by the 30th day following the end of each calendar quarter. Written reports of excess emissions shall include the information specified in 40 CFR §60.7(c)(1) - (4).

(b) The summary report form shall contain the information and be in the format described in 40 CFR §60.7(d) unless otherwise specified by the Department. One summary report form shall be submitted for each pollutant monitored at the facility.

VI. WORK PRACTICE REQUIREMENTS.

017 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall operate and maintain this source in accordance with good engineering practices.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

*** Permit Shield in Effect. ***

**SECTION D. Source Level Requirements**

Source ID: M01

Source Name: PAVED ROADS

Source Capacity/Throughput:

N/A

FUGITIVE DUST

PROC
M01 → STAC
Z01

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

001 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

The permittee shall comply with the requirements of Site Level Conditions #001 & #002 by sweeping and watering down paved roads when conditions merit.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: M02

Source Name: UNPAVED ROADS

Source Capacity/Throughput:

N/A

FUGITIVE DUST

PROC
M02 → STAC
Z02

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

001 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

The permittee shall comply with the requirements of Site Level Conditions #001 & #002 by placing gravel and calcium on unpaved roads as dust suppressants when conditions merit.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

*** Permit Shield in Effect. ***

**SECTION D. Source Level Requirements**

Source ID: M03

Source Name: MATERIAL TRANSFER SYSTEM

Source Capacity/Throughput:	N/A	ANTHRACITE CULM
	N/A	ANTHRACITE CULM
	N/A	ANTHRACITE CULM
	N/A	FLYASH

PROC M03	→	STAC Z03
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I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

001 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

To comply with Site Level Conditions #001 & #002, the permittee shall maintain partial enclosures around the coal conveyor system to minimize fugitive dusts.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: M04

Source Name: BULLDOZING OPERATIONS

Source Capacity/Throughput:

N/A

FLYASH

N/A

ANTHRACITE CULM

PROC
M04STAC
Z04**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: M05

Source Name: FUEL & ASH STOCKPILES

Source Capacity/Throughput:

N/A

FLYASH

N/A

ANTHRACITE CULM

PROC

M05



STAC

Z05

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

SECTION E. Source Group Restrictions.

Group Name: G1

Group Description: Oil-Fired Combustion Units

Sources included in this group:

ID	Name
031	FOSTER WHEELER BOILER 6
033	CLEAVER BROOKS BOILER 8
034	CLEAVER BROOKS BOILER 7

I. RESTRICTIONS.**Fuel Restriction(s).**

001 [25 Pa. Code §123.22]

Combustion units

The concentration of dissolved sulfur in the #2 Fuel Oil combusted by these sources shall not exceed 0.50% Sulfur, by weight.

II. TESTING REQUIREMENTS.

002 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

To demonstrate compliance with Source Group Level Condition #002, the permittee shall comply with the following requirements:

(a) The permittee shall perform an analysis of each shipment of No. 2 Fuel Oil delivered to the Hunlock Power Station. A representative sample shall be obtained and tested. The fuel characteristics to be determined shall include, but not be limited to, the following:

- (1) The heating value (in Btu/Lb); and
- (2) The percent (%) sulfur content, by weight.
- (3) The percent (%) ash content, by weight.

Testing shall be done in accordance with reference test method ASTM D-129-64 and 25 Pa. Code, Chapter 139.

(b) If the supplier of the oil can provide certification of the values of the fuel characteristics mentioned in section (a) (specific to each shipment of No. 2 Fuel Oil delivered to the facility), the permittee may substitute such certification (signed and notarized by a responsible official) for the analysis of a representative sample.

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

[Authority for this condition is also derived from 25 Pa. Code, §129.92]

The company shall maintain records in accordance with the recordkeeping requirements of 25 Pa. Code, §129.95 and shall include as a minimum the following:

(a) Data which clearly demonstrate that the heat input for each boiler never exceeds its rated capacity.

004 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall record the results of each completed fuel oil analysis and any fuel characteristic certifications. These records, and the quantity of oil consumed by the boilers, shall be used in the calculation of sulfur emissions from the

SECTION E. Source Group Restrictions.

facility.

V. REPORTING REQUIREMENTS.

005 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall, on a quarterly basis, compile a report of the results of all fuel analyses (if any) and fuel characteristic certifications for No. 2 Fuel Oil delivered to the facility during the previous 3 months, to be submitted to the Department within thirty days of the close of each calendar quarter.

VI. WORK PRACTICE REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Authority for this condition is also derived from 25 Pa. Code, §129.93]

To optimize combustion efficiency, the permittee shall operate and maintain these sources in accordance with the manufacturer's specifications and good air pollution control practices.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

*** Permit Shield in Effect. ***

**SECTION F. Alternative Operation Requirements.**

No Alternative Operations exist for this Title V facility.

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**SECTION G. Emission Restriction Summary.**

Source Id	Source Description			
031	FOSTER WHEELER BOILER 6			
Emission Limit			Pollutant	
0.690	Lbs/MMBTU	30-day running average	NOX	
3.700	Lbs/MMBTU	30-day running average	SOX	
4.000	Lbs/MMBTU	daily average, <2 days in any 30-day period	SOX	
4.800	Lbs/MMBTU	daily average maximum limit	SOX	
0.100	Lbs/MMBTU		TSP	
102.000	Lbs/Yr	when firing Synthetic Fuel	VOC	
033	CLEAVER BROOKS BOILER 8			
Emission Limit			Pollutant	
4.000	Lbs/MMBTU	over any 1-hour period	SOX	
0.400	Lbs/MMBTU		TSP	
034	CLEAVER BROOKS BOILER 7			
Emission Limit			Pollutant	
4.000	Lbs/MMBTU	over any 1-hour period	SOX	
0.400	Lbs/MMBTU		TSP	
CT1	SIMPLE CYC COMBUSTION TURBINE W/ WATER INJECTION			
Emission Limit			Pollutant	
25.000	PPMV	@ 15% Oxygen, except during start-up & shutdown	NOX	
37.900	Tons/Yr	12-month rolling summation	NOX	
41.000	Lbs/Hr	3-hour rolling average	NOX	
500.000	PPMV	over any 1-hour period	SOX	
0.020	gr/DRY FT3		TSP	

Site Emission Restriction Summary

Emission Limit	Pollutant
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SECTION H. Miscellaneous.

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***** End of Report *****